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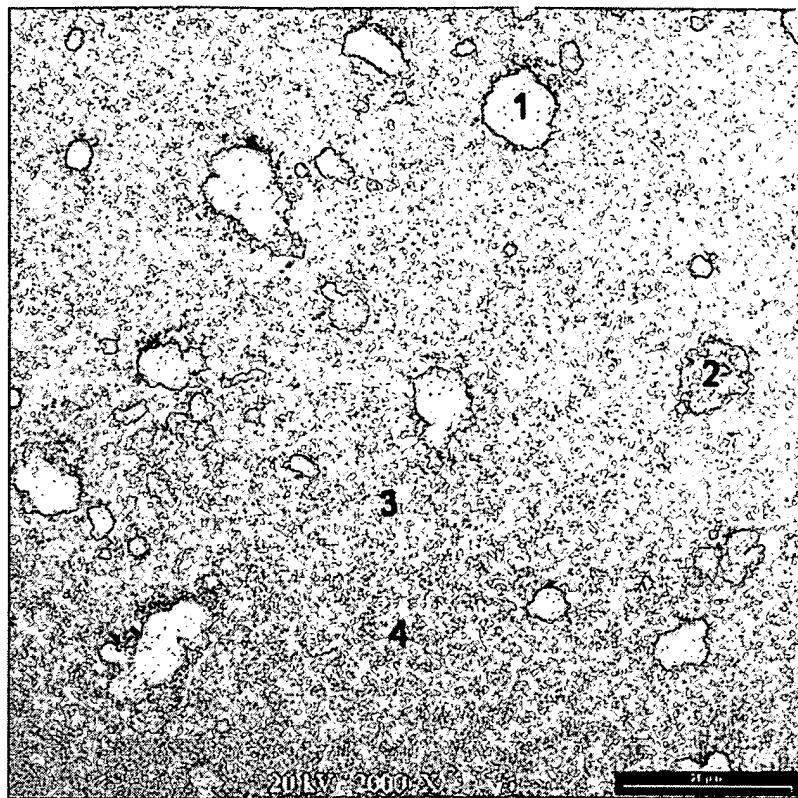
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20 μm

Figure 1

XRD pattern of MM-1 sintered at 500°C

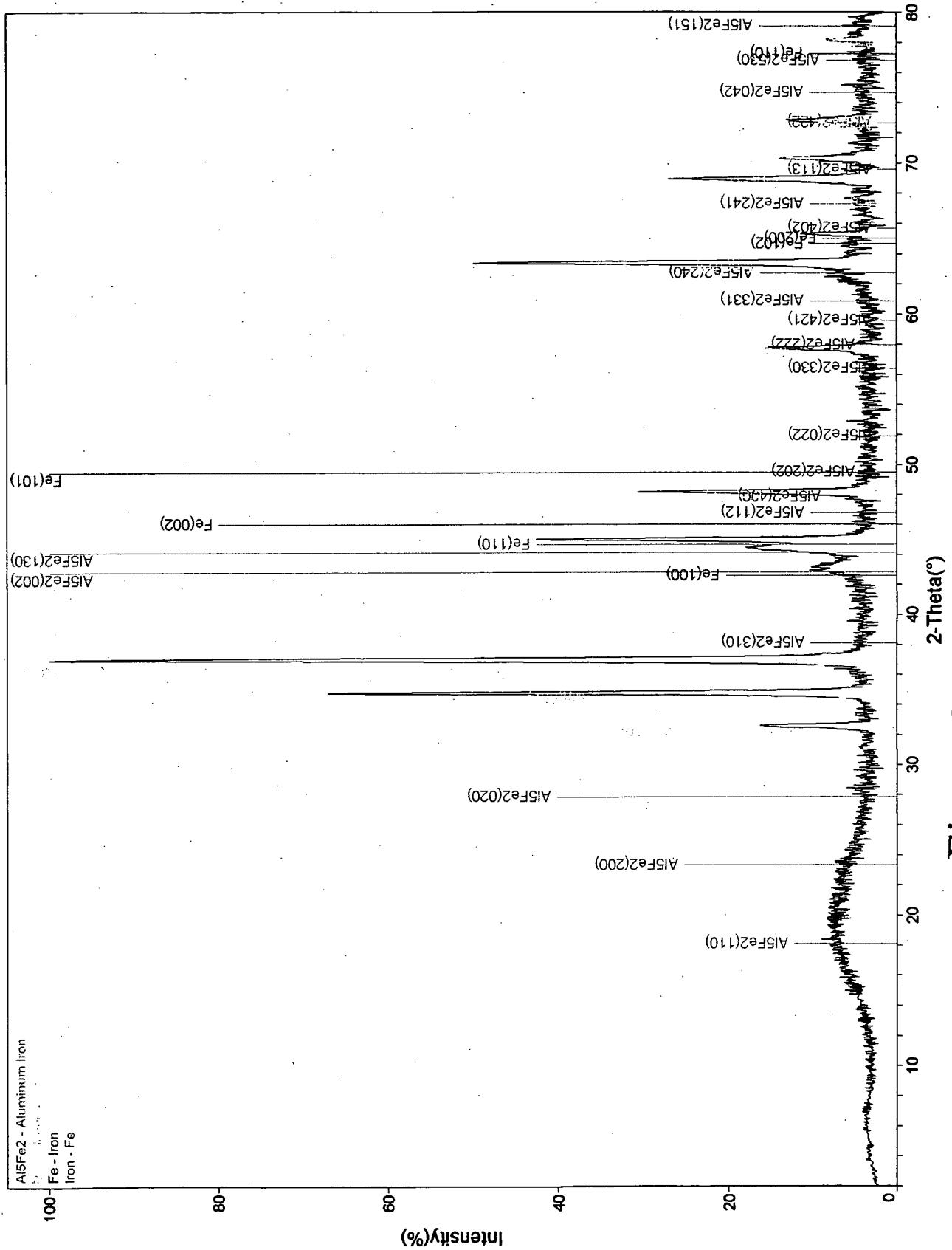


Figure 2

**PCT measurement at 240°C for
MM-1 sintered at 500 °C**

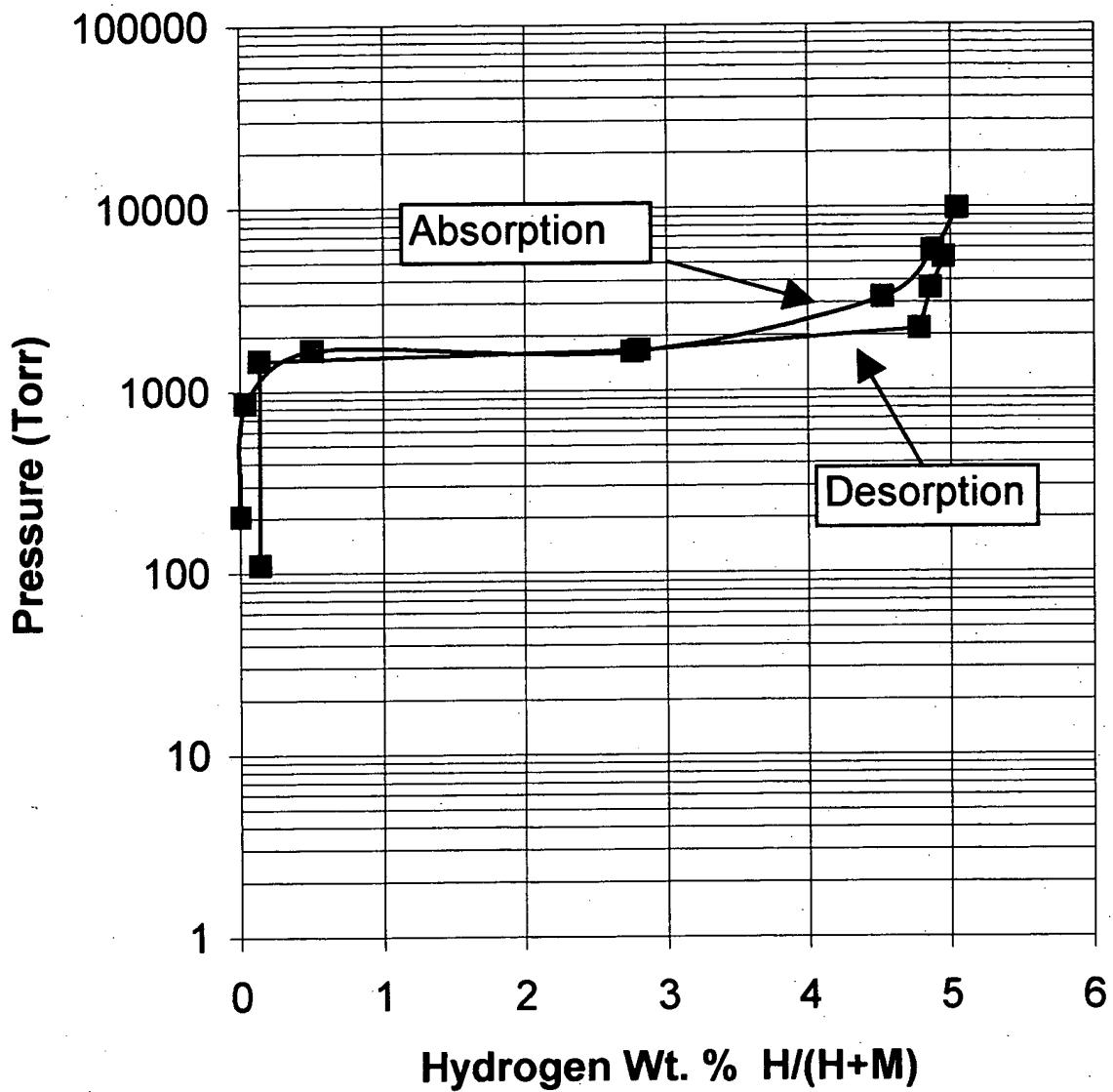
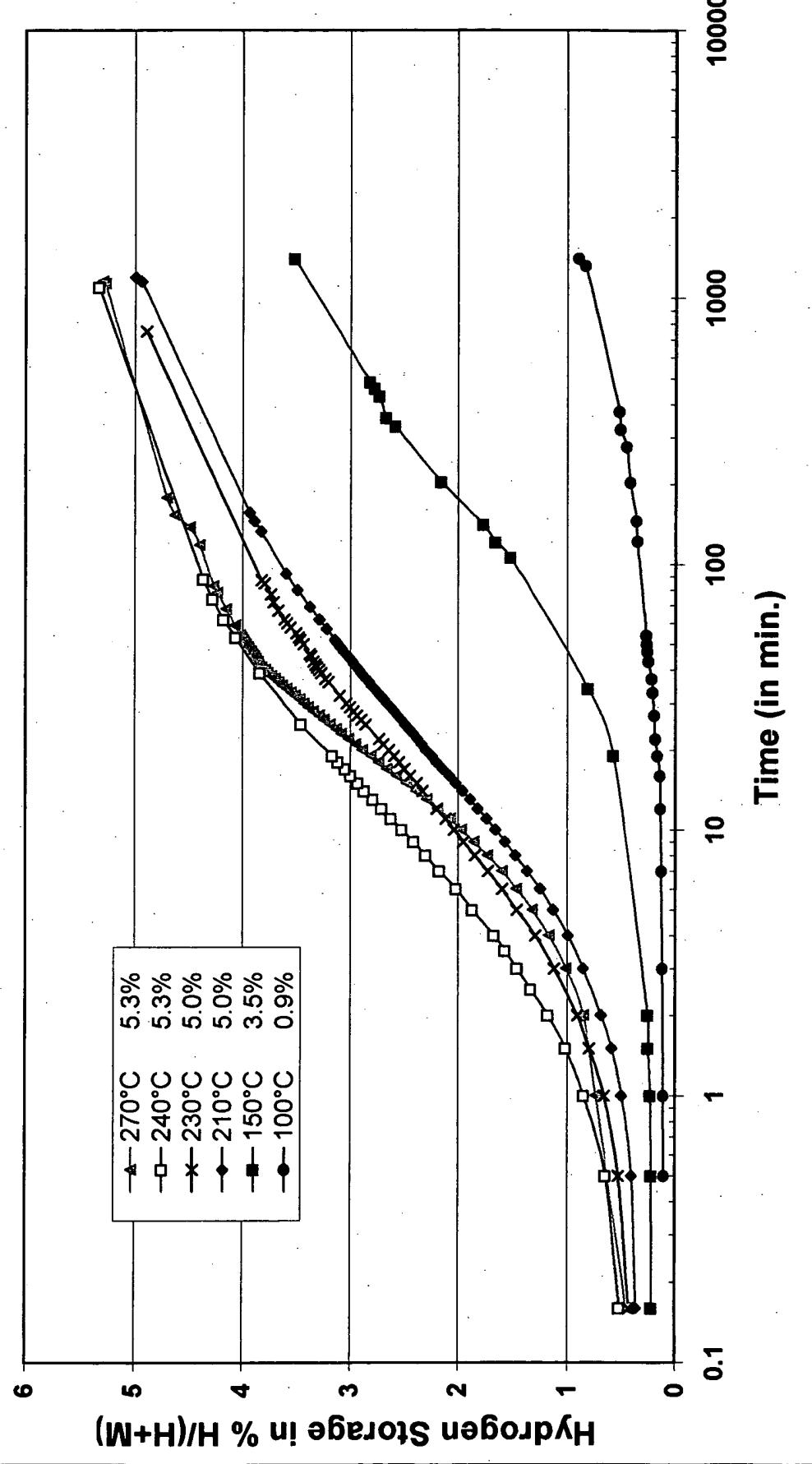


Figure 3

Figure 4

Hydrogen Absorption for Sintered MM-1



Hydrogen Desorption of Sintered MM-1

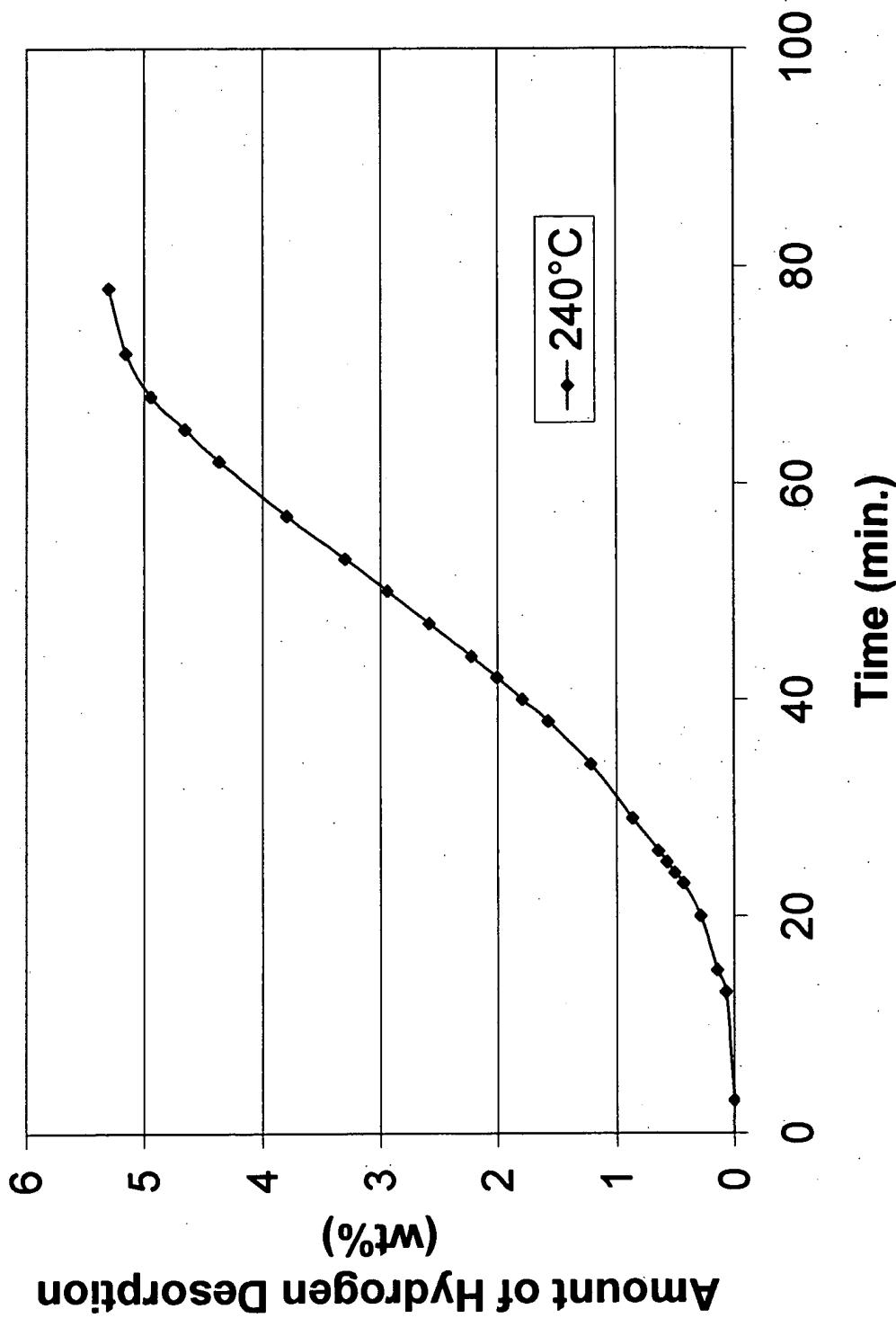


Figure 5

MM-1 sintered at 570°C and 600°C

Desorption measured at 240°C

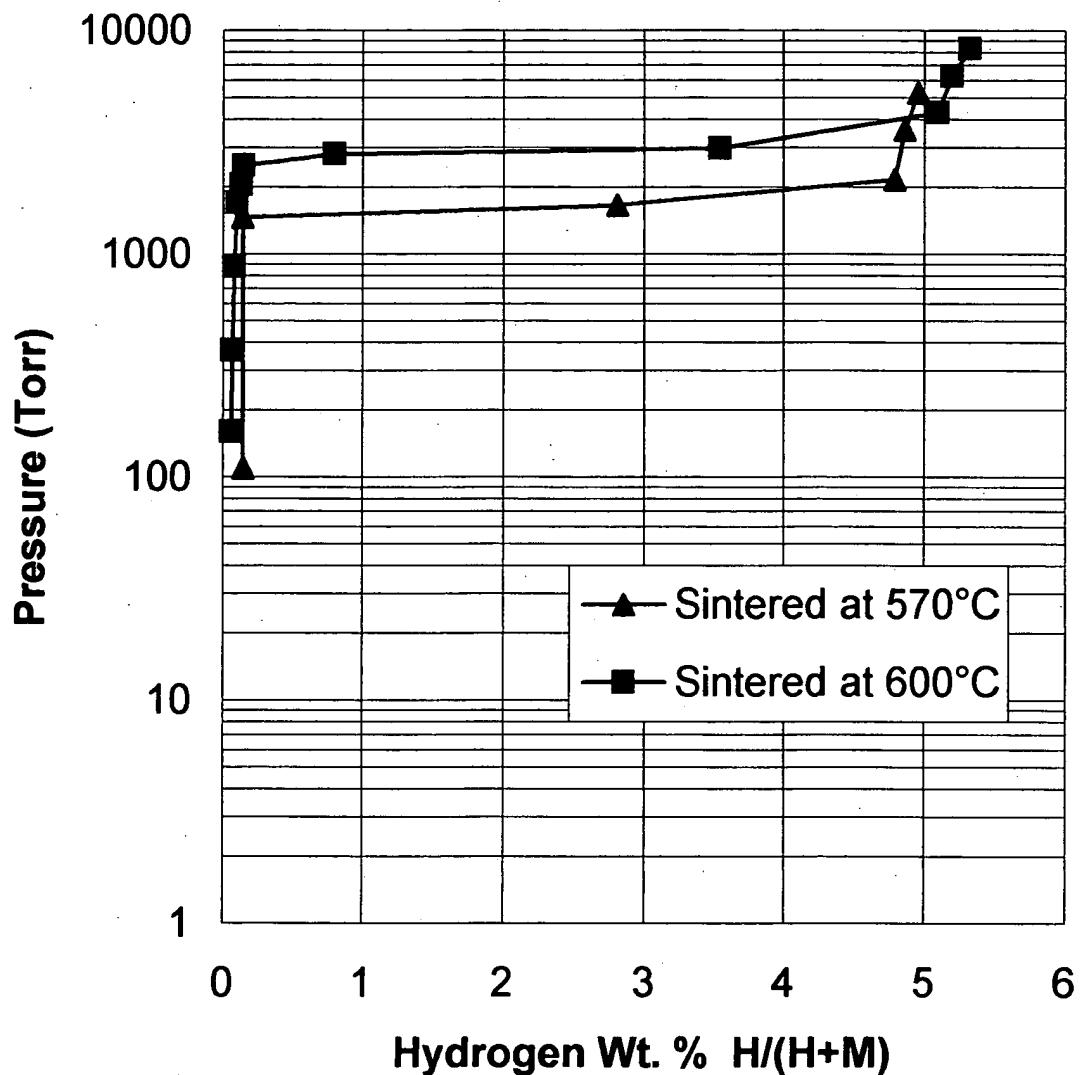
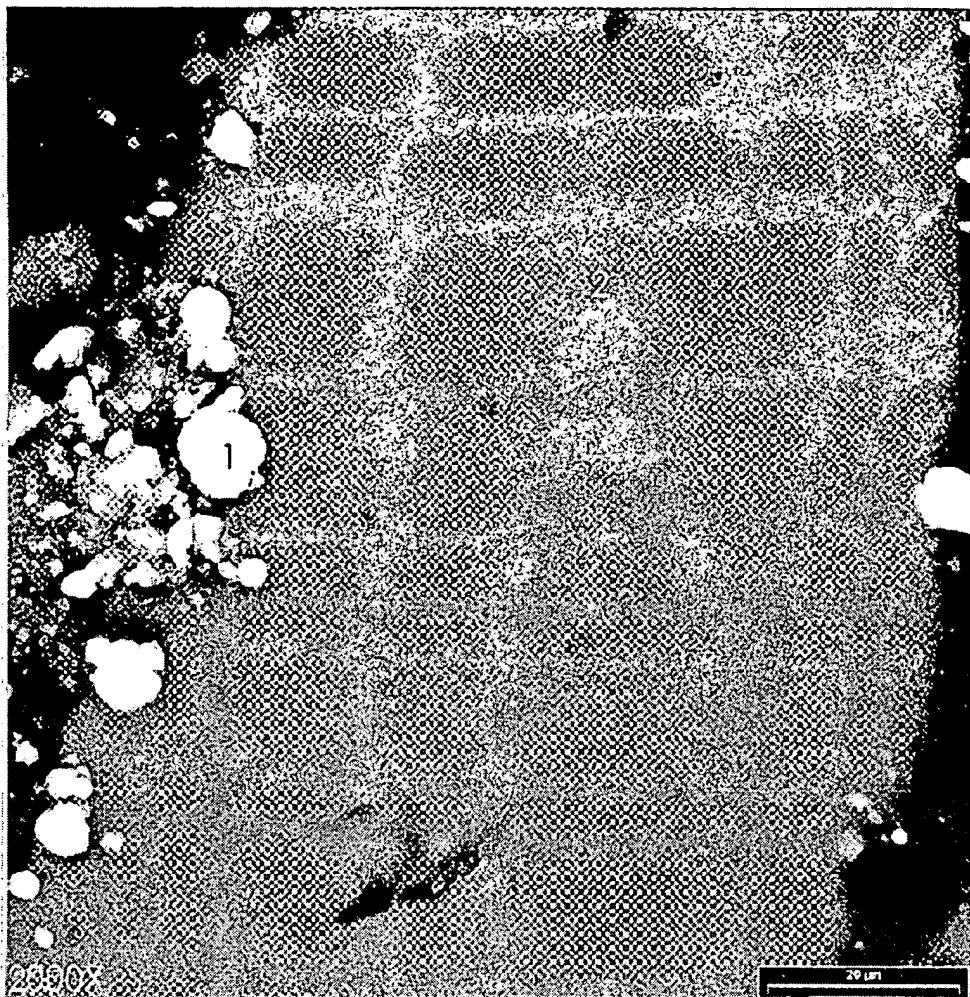


Figure 6



20 μm

Figure 7

XRD Spectrum of MM-1

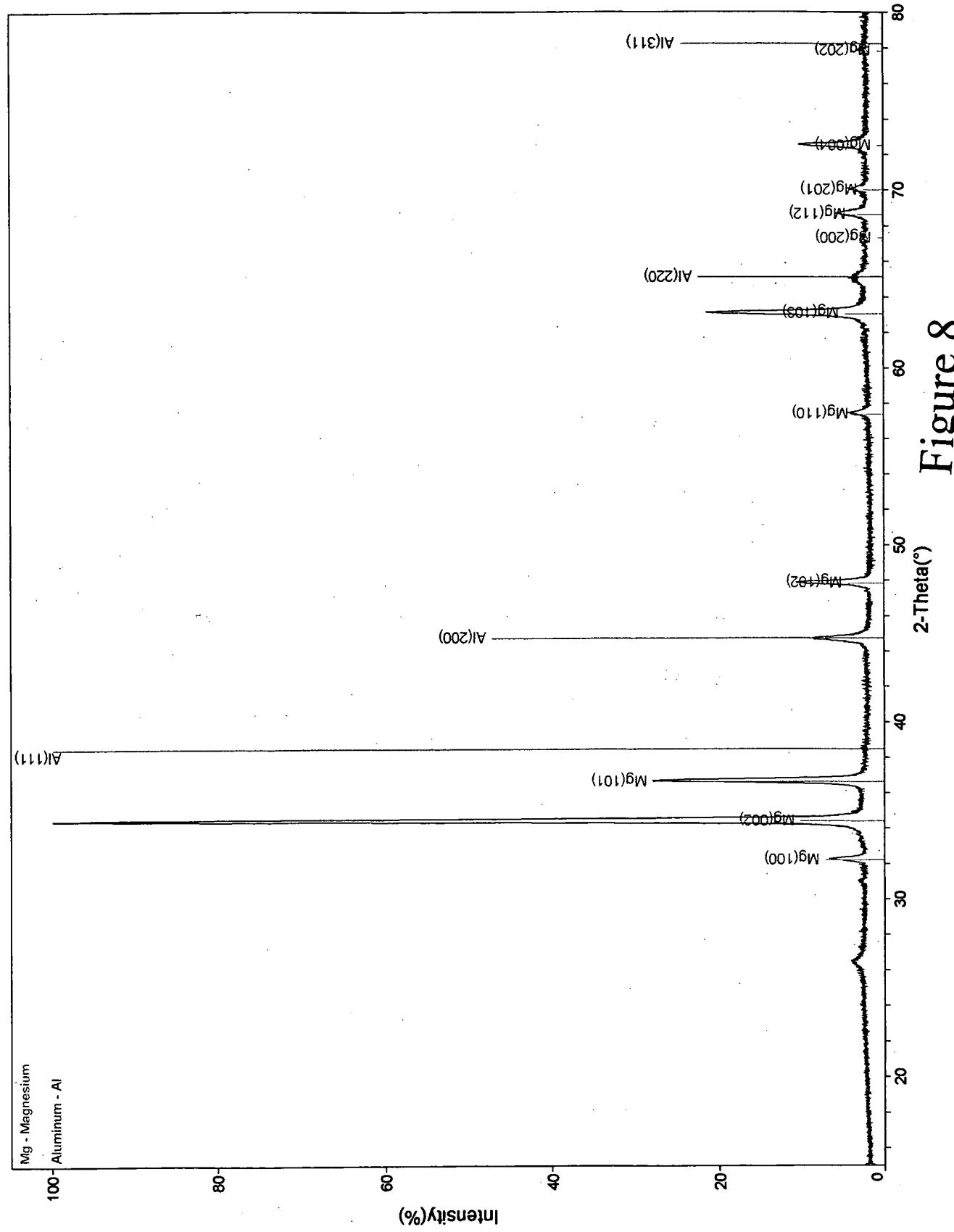


Figure 8

PCT measurement at 240° C for
MA-MM-1 with 100 Å Fe double side coating

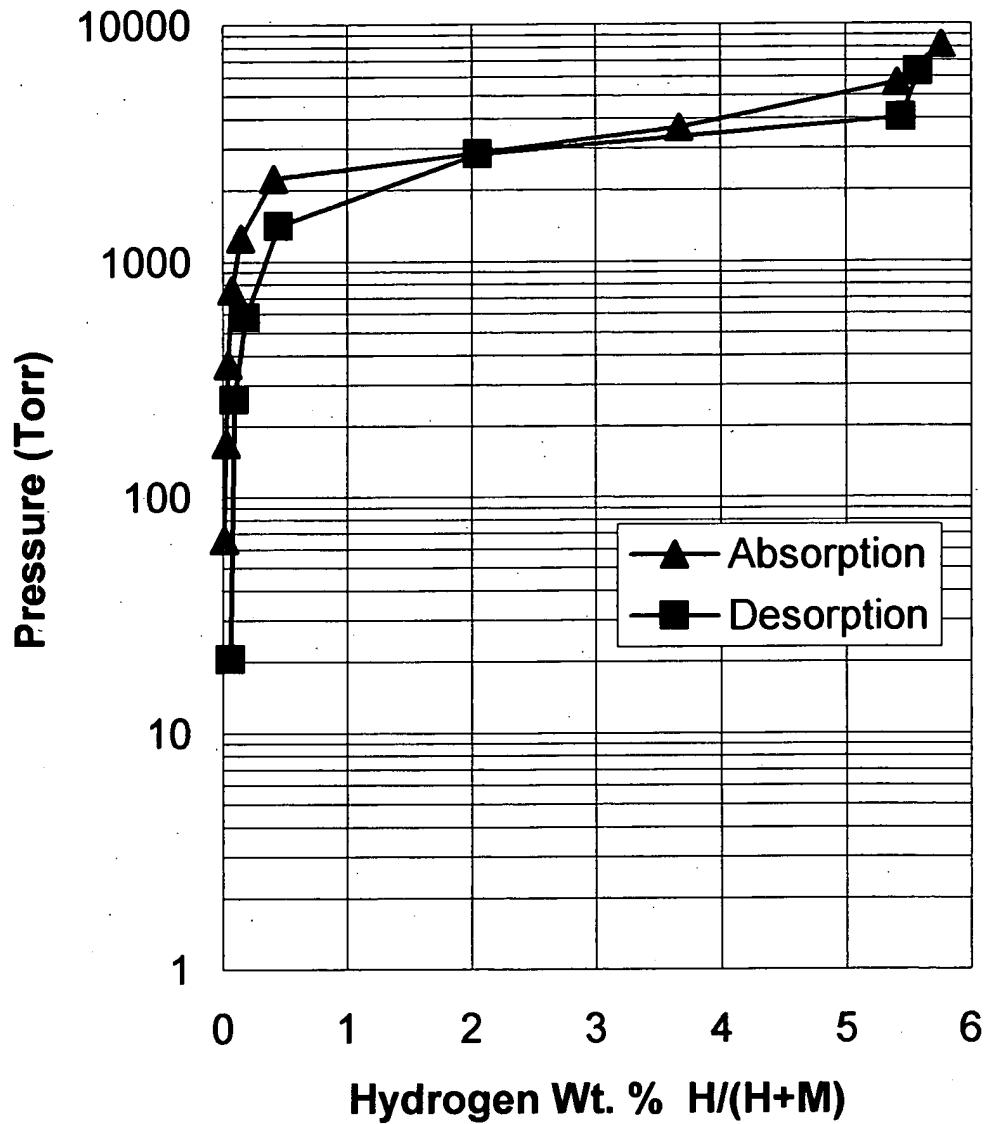


Figure 9

PCT measurements for MA-MM-1 with 100Å Fe double side coating

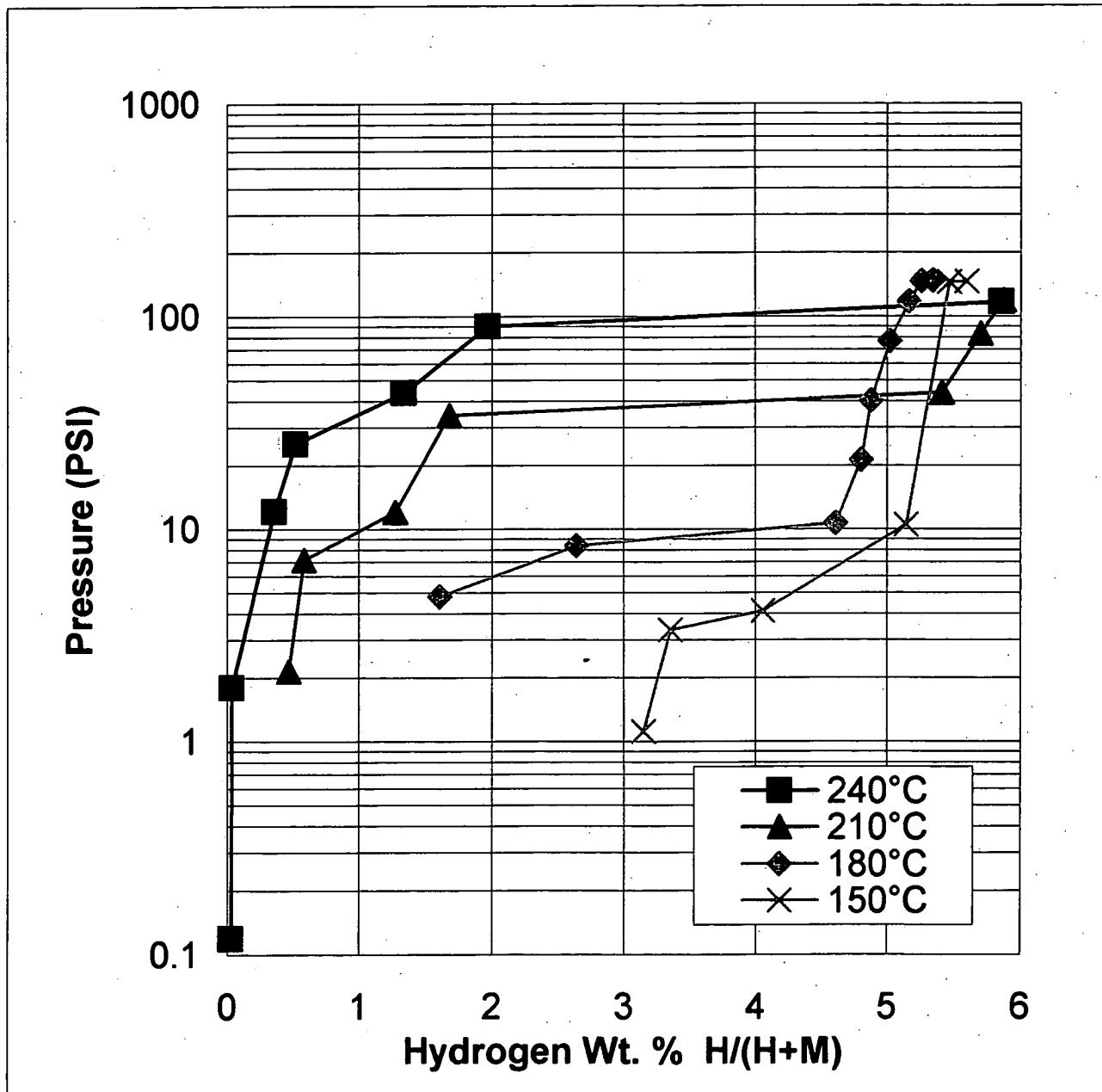


Figure 10



20 μm

Figure 11

**PCT Measurement at 150° C
for MS+MA-MM-1 coat with 100Å Fe**

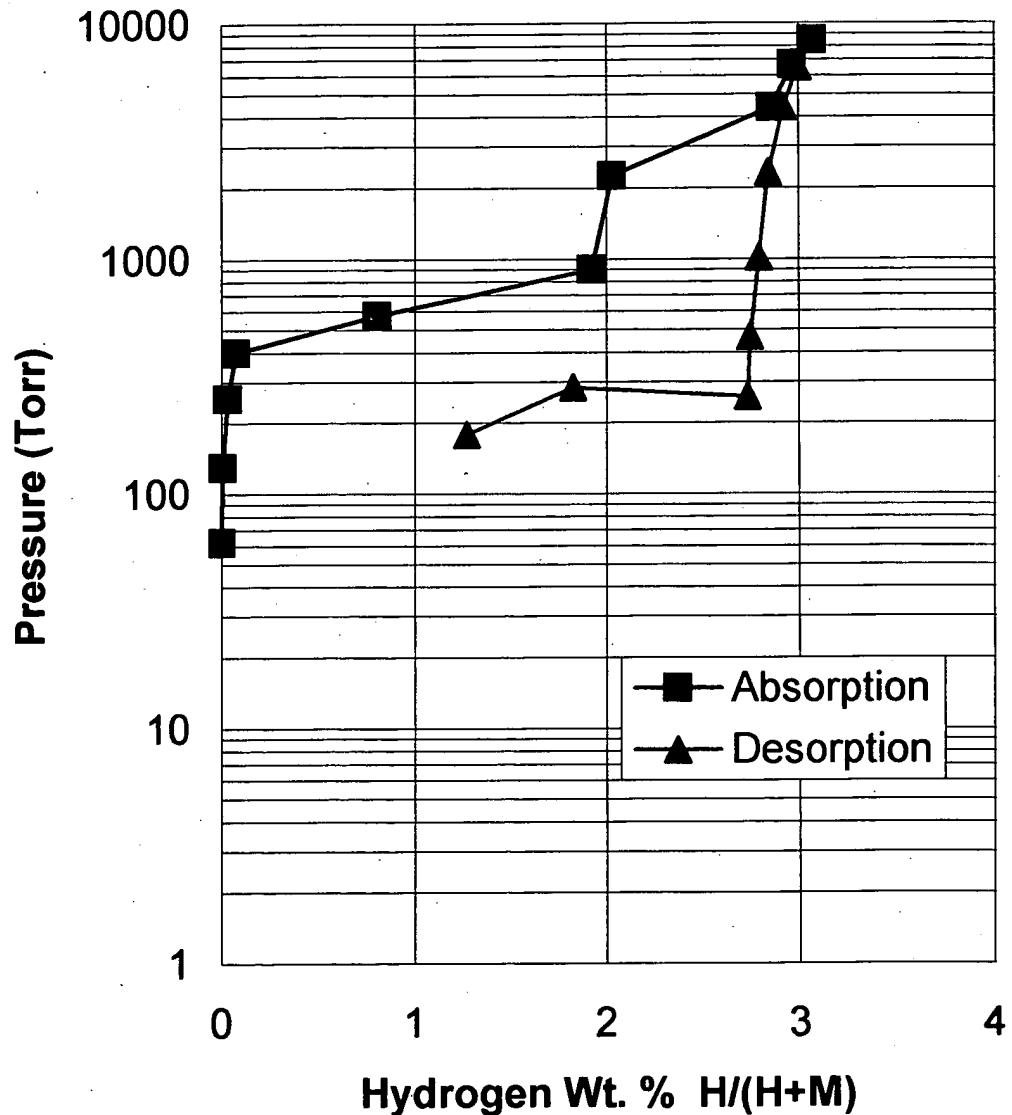


Figure 12

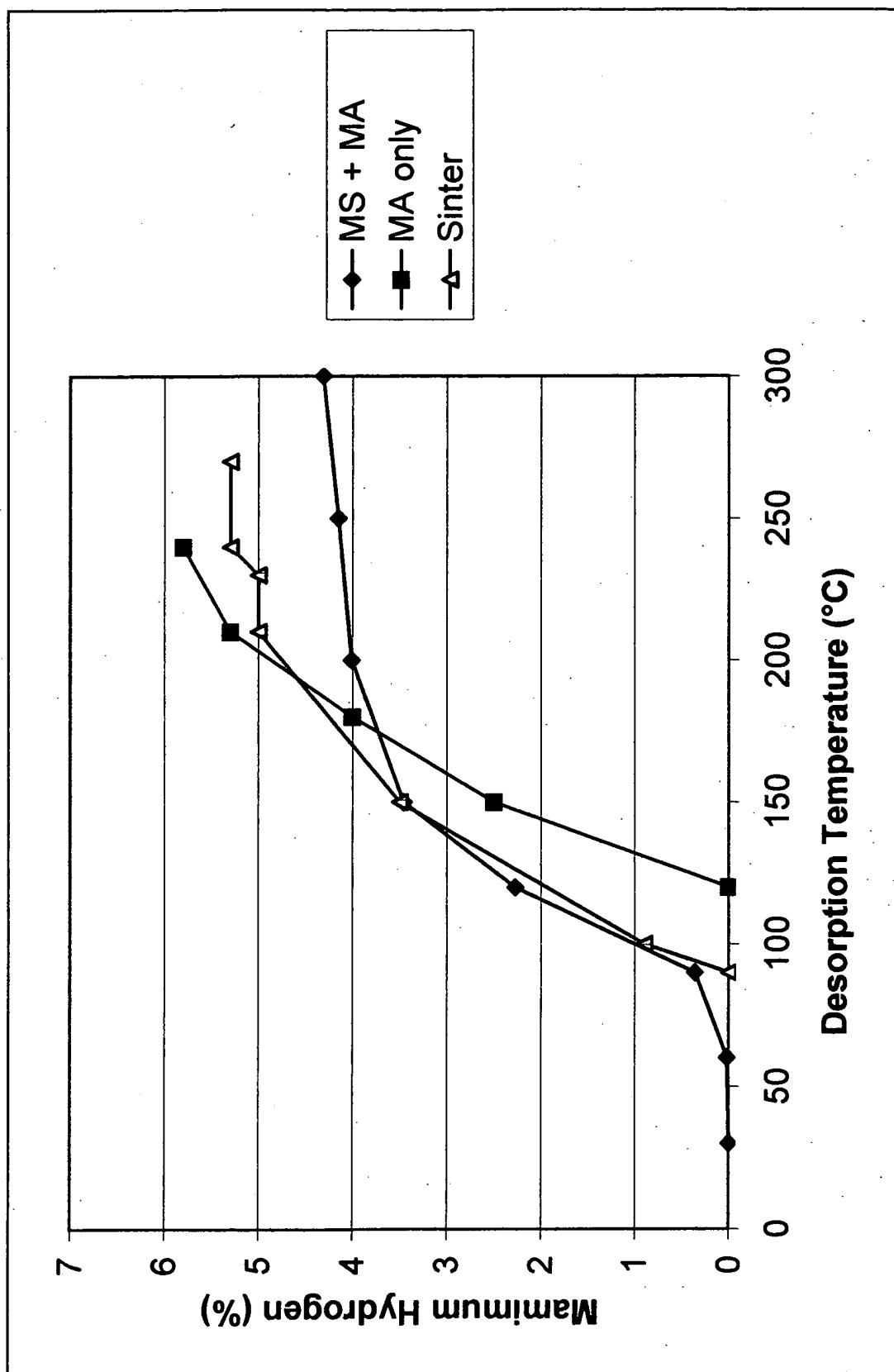
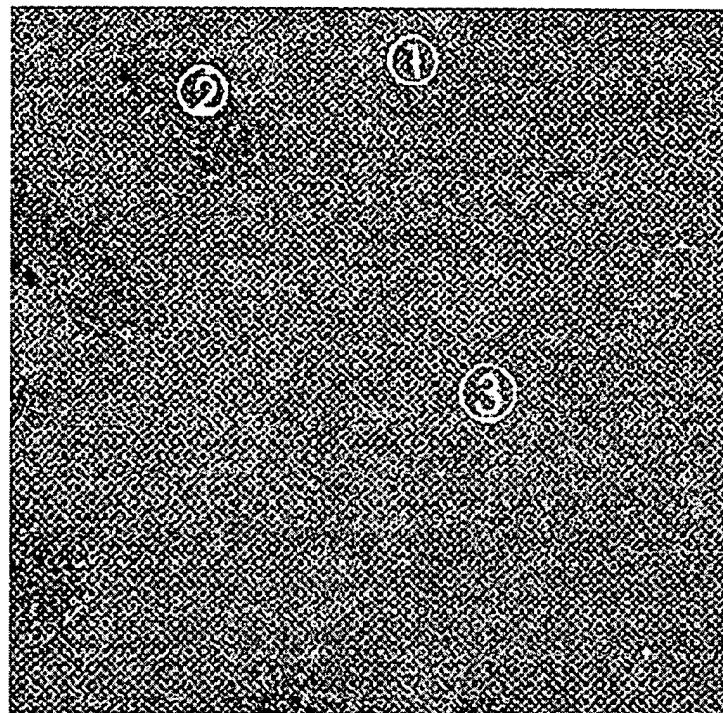


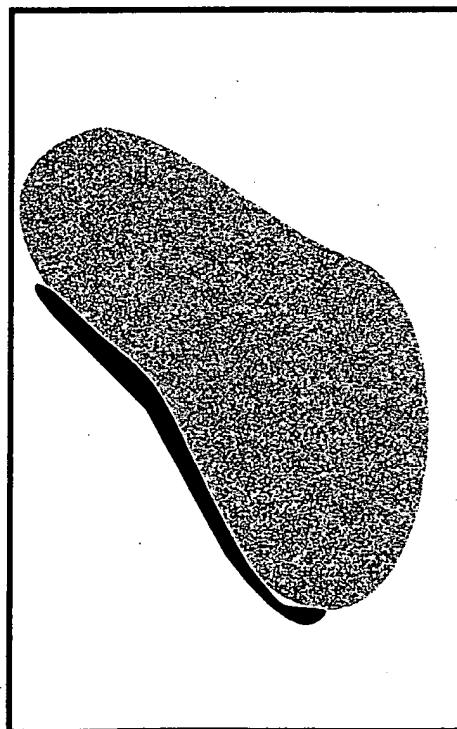
Figure 13



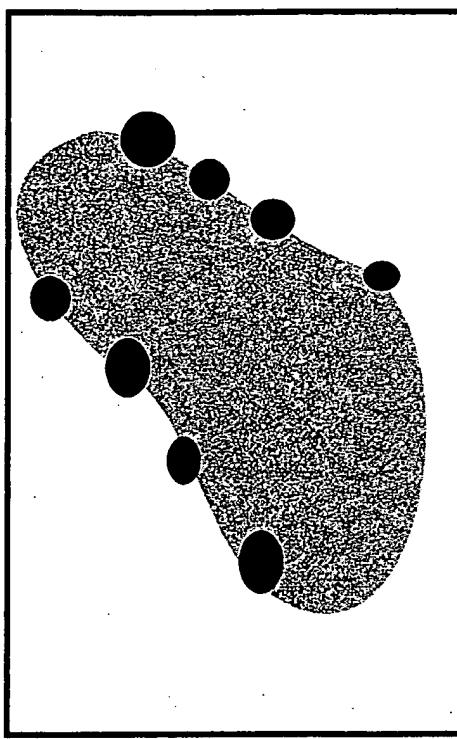
20 μm

1. Fe-inclusion
2. Mg-Al phase
3. Mg phase

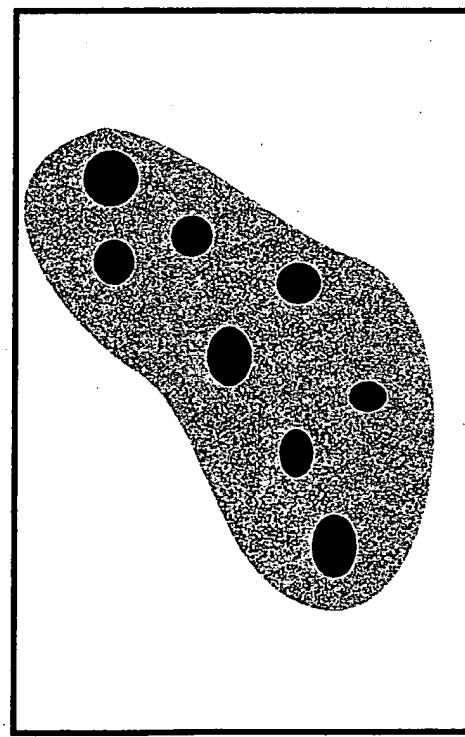
Figure 14



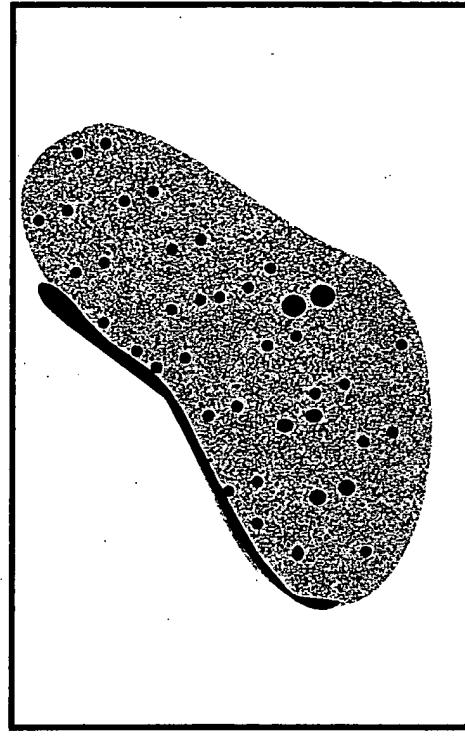
(a) Surface Coating Method



(b) Mechanical Alloying Method



(c) Sintering Method



(d) Quick Quench Plus Coating

Figure 15